

Title (en)
COMPACT MEDICAL INFUSION PUMPS

Title (de)
KOMPAKTE MEDIZINISCHE INFUSIONSPUMPEN

Title (fr)
POMPES DE PERFUSION MÉDICALE COMPACTES

Publication
EP 3233156 A4 20190130 (EN)

Application
EP 15870656 A 20151202

Priority
• US 201462094519 P 20141219
• US 2015063469 W 20151202

Abstract (en)
[origin: WO2016099891A1] A compact medical infusion pump includes a base unit and a compact pump mechanism coupled to the base unit. The compact pump mechanism also includes a carriage member shaped to support a medical syringe, is movable in a first linear direction relative to the base unit, and is fixed to a first guide rod arm. The mechanism further includes a plunger driver shaped to selectively engage a plunger portion of the medical syringe, is moveable in a second linear direction opposite the first linear direction, and is fixed to a second guide rod arm. The mechanism also includes a rotatable drive member that is centrally located with respect to the base unit and is driven by a drive train assembly. The rotatable drive member engages both the first guide rod arm and the second guide rod arm to translate the carriage member and the plunger driver in opposite directions.

IPC 8 full level
A61M 5/142 (2006.01); **A61M 5/145** (2006.01)

CPC (source: EP US)
A61M 5/145 (2013.01 - US); **A61M 5/1452** (2013.01 - EP US); **A61M 5/14216** (2013.01 - EP US); **A61M 5/14244** (2013.01 - US); **A61M 2005/31518** (2013.01 - EP US)

Citation (search report)
• [A] WO 9800188 A1 19980108 - PHARMACIA & UPJOHN AB [SE], et al
• [A] US 2013172808 A1 20130704 - GILBERT G FORD [US]
• [A] WO 9605878 A1 19960229 - ELI LILLY JAPAN KABUSHIKI KAIS [JP], et al
• [AP] WO 2015052704 A1 20150416 - VVT MEDICAL LTD [IL]
• See references of WO 2016099891A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2016099891 A1 20160623; EP 3233156 A1 20171025; EP 3233156 A4 20190130; US 2018043088 A1 20180215

DOCDB simple family (application)
US 2015063469 W 20151202; EP 15870656 A 20151202; US 201515535373 A 20151202